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L5: Entry 32 of 32

File: DWPI

Jan 9, 2001

DERWENT-ACC-NO: 2000-062581

DERWENT-WEEK: 200104

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TITLE: New composition comprising expression vector, useful for gene therapy

INVENTOR: ASKARI, F K

PATENT-ASSIGNEE:

ASSIGNEE

CODE

UNIV MICHIGAN

UNMI

PRIORITY-DATA: 1998US-0085848 (May 28, 1998)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 6171855 B1	January 9, 2001	N/A	000	C07H021/04
WO 9961034 A1	December 2, 1999	E	043	A61K035/00
AU 9940996 A	December 13, 1999	N/A	000	A61K035/00

DESIGNATED-STATES: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ UG ZW

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
US 6171855B1	May 28, 1998	1998US-0085848	N/A
WO 9961034A1	May 26, 1999	1999WO-US11594	N/A
AU 9940996A	May 26, 1999	1999AU-0040996	N/A
AU 9940996A		WO 9961034	Based on

INT-CL (IPC): A61K 35/00; A61K 48/00; C07H 21/04; C12N 5/00; C12N 15/63; C12P 21/04

ABSTRACTED-PUB-NO: US 6171855B

BASIC-ABSTRACT:

NOVELTY - An expression vector comprising a ribosomal promoter sequence operably linked to a gene of interest is new.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(1) a composition comprising a adenoviral vector comprising a ribosomal promoter sequence operably linked to a genetic cassette encoding one or more gene products;

(2) a method comprising:

- (a) providing:
 - (i) eukaryotic cells; and
 - (ii) an expression vector as in (1), and
- (b) introducing the expression vector into the cells; and
- (3) a method comprising:
 - (a) providing:
 - (i) an expression vector comprising a ribosomal promoter sequence operably linked to a gene of interest; and
 - (ii) a recipient animal; and
 - (b) administering the vector to the animal.

USE - The vectors are useful for gene therapy and the can be defined and linked to genes of interest, especially bilirubin UDP-glucuronosyltransfe- rase gene (useful for the correction of Crigler-Najjar syndrome type I), the dystrophin gene (which is capable of correcting the defect seen in the muscle of muscular dystrophy patients) the utrophin gene, the CFTR gene (capable of correcting the defect seen in cystic fibrosis patients), genes encoding enzymes for correcting enzyme deficiencies, genes encoding clotting factors, angiogenesis factors, anti-angiogenesis factors, tumor suppressors and suicide genes e.g. Herpes thymidine kinase gene.

ADVANTAGE - None given.

ABSTRACTED-PUB-NO:

WO 9961034A

EQUIVALENT-ABSTRACTS:

NOVELTY - An expression vector comprising a ribosomal promoter sequence operably linked to a gene of interest is new.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (1) a composition comprising a adenoviral vector comprising a ribosomal promoter sequence operably linked to a genetic cassette encoding one or more gene products;
- (2) a method comprising:
 - (a) providing:
 - (i) eukaryotic cells; and
 - (ii) an expression vector as in (1), and
 - (b) introducing the expression vector into the cells; and
- (3) a method comprising:
 - (a) providing:
 - (i) an expression vector comprising a ribosomal promoter sequence operably linked to a gene of interest; and
 - (ii) a recipient animal; and
 - (b) administering the vector to the animal.

USE - The vectors are useful for gene therapy and the can be defined and linked to genes of interest, especially bilirubin UDP-glucuronosyltransfe- rase gene (useful for the correction of Crigler-Najjar syndrome type I), the dystrophin gene (which is capable of correcting the defect seen in the muscle of muscular dystrophy

patients) the utrophin gene, the CFTR gene (capable of correcting the defect seen in cystic fibrosis patients), genes encoding enzymes for correcting enzyme deficiencies, genes encoding clotting factors, angiogenesis factors, anti-angiogenesis factors, tumor suppressors and suicide genes e.g. Herpes thymidine kinase gene.

ADVANTAGE - None given.

CHOSEN-DRAWING: Dwg.0/8

TITLE-TERMS: NEW COMPOSITION COMPRISE EXPRESS VECTOR USEFUL GENE THERAPEUTIC

DERWENT-CLASS: B04 D16

CPI-CODES: B04-E08; B04-F0100E; B04-F1100E; B14-S03; D05-H12E;

CHEMICAL-CODES:

Chemical Indexing M1 *01*

Fragmentation Code

M423 M710 M781 M905 N135 Q233

Specific Compounds

A00NSN A00NSU

Chemical Indexing M1 *02*

Fragmentation Code

M423 M710 M781 M905 N135 Q233

Specific Compounds

A00GTN A00GTU

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C2000-017392